Index of Claims

| Application/Control No | App | lication | /Control | No. |
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09/749,680

Examiner

Nelson D. Hernandez

Applicant(s)/Patent under Reexamination

OHTA ET AL.

Art Unit

2612

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| _ | (Through numeral)<br>Cancelled |
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|   | Interference |

| A | Appeal   |
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| Cli         | aim      |            |   |   |              | Dat      | e            |  | _            | _        | ]       | Cla  | aim      |                 |          |          | Da      | ate   |              |              |  |        | CI           | aim        |          |          | _        |          | Date     | 2        |          |                         |           |
|-------------|----------|------------|---|---|--------------|----------|--------------|--|--------------|----------|---------|--|----------|-----------------|----------|----------|---------|---|--------------|--------------|--|--------|--------------|------------|----------|----------|----------|----------|----------|----------|----------|-------------------------|-----------|
| Final       | Original | 4/29/05    |   |   |              |          |              |  |              |          |         | Final  | Original |                 |          |          |         |   |              |              |  |        | Final        | Original   |          |          |          |          |          |          |          |                         |           |
|             | 1        | -          |   |   | T            | t        | $\vdash$     | T  | 1-           | $\vdash$ | 1       |  | 51       |                 |          | $\dashv$ | +       | +   | +            | ╁            | $\vdash$   |        | <del> </del> | 101        |          |          | _        | _        | -        | -1       | -        | +                       | $\dashv$  |
|             | 2        | -          |   |   |              | Т        | †            |  | T            |          | 1       |  | 52       |                 |          | $\top$   | $\top$  | $\top$  | †            | $\vdash$     |  |        |              | 102        |          |          |          |          |          |          | _        | 十                       | $\dashv$  |
|             | 3        | -          |   |   |              |          |              | T  |              |          | 1       |  | 53       |                 | $\Box$   | $\top$   | 1       | 十   | 1            | T            |  |        |              | 103        |          |          |          | _        |          |          |          | 寸                       | ⊣         |
|             | 4        | -          |   |   |              |          |              |  |              |          | ]       |  | 54       |                 |          |          |         |   | Т            |              |  |        |              | 104        |          |          |          |          |          |          |          | ヿ                       | ヿ         |
| L           | _ 5      | <u> </u> - |   |   |              |          |              |  |              |          | ]       |  | 55       |                 |          |          |         | $\perp$   |              |              |  |        |              | 105        |          |          |          |          |          |          | T        | $\neg$                  |           |
| L           | 6        | <u>-</u>   | $ldsymbol{ld}}}}}}$ |   | <u> </u>     |          |              | <u> </u>   | L            | <u> </u> |         |  | 56       | Ш               |          |          |         |   |              | L            |  | 1:     |              | 106        |          |          |          |          |          |          |          | $\Box$                  |           |
|             | 7        | -          | _   |   | <u> </u>     | ↓        | 1            | _  | <u> </u>     | _        |         |  | 57       |                 |          | 4        | $\perp$ | _   |              | ┖            |  | ينك    |              | 107        |          |          |          |          |          |          |          |                         |           |
| <u> </u>    | 8        | -          | _   | _ | 上            | ـــــ    | ┡            | ╄  | _            | _        | 1       |  | 58       | Ш               | $\perp$  | 4        | $\perp$ | $\perp$   |              | $oxed{oxed}$ | $ldsymbol{ld}}}}}}$ |        |              | 108        |          |          |          |          |          |          | _        | _                       | _         |
|             | 9        | -          | L   | _ | ┡            | <u> </u> |              | ╄  | ╄            | L        | 4       | <u> </u>                                     | 59       | Ш               | _        |          | _       | _   | _            | ╙            | _  |        |              | 109        | _        | _        |          |          |          | Ш        | _        | _                       | ᆜ         |
|             | 10       | Ŀ          |   |   | ┞            | <u> </u> | ₩            | <del> </del>                                     | ├            | <u> </u> |         |  | 60       | H               | _        | -        | - -     | _   |              |              | ļ  |        |              | 110        | _        | 4        |          |          |          |          | $\dashv$ | 4                       | _         |
|             | 11       | Ŀ          | -   |   | -            | <b> </b> | ╂—           | ┼  | ╀            | ⊢        | ŀ       | <u></u>                                      | 61       | $\square$       | -        | -        | +       | 4   | +            | ļ            | <u> </u>   |        | ^            | 111        | _        | _        |          |          |          |          | _        | $\dashv$                | 4         |
| <u> </u>    | 12<br>13 | <u>-</u>   | $\vdash$  |   | ₩            | +-       | $\vdash$     | +  | $\vdash$     | -        | -       |  | 62       | $\vdash \vdash$ | $\dashv$ |          | +       | +   | +-           |              | $\vdash$   |        |              | 112        |          | $\dashv$ | _        | Щ        | $\dashv$ | _        | _        | $\dashv$                | 4         |
|             | 14       | -          | $\vdash$  |   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   | +-           | $\vdash$ | 1       | <u> </u>                                     | 63<br>64 | $\vdash \vdash$ | $\dashv$ | +        |         | +   | +            | $\vdash$     | <u> </u>   | [i, -] | <u> </u>     | 113        |          | -        | _        | Щ        | $\Box$   |          | -        | $\dashv$                | $\dashv$  |
| <b> </b>    | 15       | -          | $\vdash$  |   | $\vdash$     | $\vdash$ | $\vdash$     | +  | +            | -        | 1       | $\vdash$                                     | 65       | $\vdash$        | $\dashv$ | +        | +-      | +   | +            | +            | <u> </u>   | 1      |              | 114<br>115 | $\dashv$ | $\dashv$ | -        | $\vdash$ |          | $\vdash$ | -        | $\dashv$                | $\dashv$  |
| $\vdash$    | 16       | -          |   |   | ╁            | ┢        | 1            |  | ╁            | -        | 1.      |  | 66       | $\vdash$        | $\dashv$ | +        | +       | ┰   | +            | $\vdash$     | -  |        |              | 116        |          | $\dashv$ | -        | $\vdash$ |          | $\vdash$ | $\dashv$ | $\dashv$                |           |
|             | 17       | -          |   |   | H            | $\vdash$ | †            | +  | $\vdash$     | -        | 1       | H  | 67       | $\vdash$        | $\dashv$ | +        | +       | +   | +            | +            |  |        |              | 117        | -        | $\dashv$ |          | $\vdash$ |          | $\dashv$ | $\dashv$ | +                       | $\dashv$  |
|             | 18       | -          |   |   |              | 1-       | ┪            | 1  | +            |          | 1       | $\vdash$                                     | 68       | -1              | $\dashv$ | +        | +       | +   | ╁            | ╁            |  |        |              | 118        |          | +        | -        | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$                | $\dashv$  |
|             | 19       | -          |   |   |              | ╁        | $t^-$        |  | H            | -        | 1       |  | 69       |                 | -        | +        | +       | +   | +            | $\vdash$     |  |        |              | 119        | $\dashv$ | $\dashv$ |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +                       | $\dashv$  |
|             | 20       | -          | Н   |   |              | t        | 1            |  | 1            |          | i.      | $\vdash$                                     | 70       | Н               | $\dashv$ | _        |         | +   | +            | <u> </u>     | _  |        |              | 120        | _        | -        |          |          | _        |          |          | +                       | ᅱ         |
|             | 21       | -          |   |   |              | T        | T            | T  |              |          | 1       |  | 71       | $\square$       | 寸        | $\dashv$ | $\neg$  |   | +            | $\vdash$     |  | . 1    |              | 121        |          | _        |          |          | $\neg$   |          | _        | $\dashv$                | ⊣         |
|             | 22       | -          |   |   |              | Ì        |              | 1  |              |          | 1       |  | 72       | П               | T        | T        | ┪       | $\top$  | $\top$       |              |  |        |              | 122        |          |          |          |          |          |          | $\neg$   | 寸                       | 一         |
|             | 23       | •          |   |   |              |          |              |  |              | Г        | 1:      |  | 73       |                 |          |          | T       |   |              |              |  | , -    |              | 123        | 寸        |          |          |          |          |          |          | T                       | ヿ         |
|             | 24       | •          |   |   |              |          |              |  |              |          | ]:. •   |  | 74       |                 |          |          |         | T   |              |              |  |        |              | 124        |          | $\neg$   |          |          |          |          |          | $\top$                  |           |
|             | 25       |            |   |   |              |          |              |  |              |          | ]       |  | 75       |                 |          |          | $\Box$  |   | 1            |              |  |        |              | 125        | $\neg$   | $\neg$   |          |          |          |          | T        | $\Box$                  |           |
|             | 26       |            |   |   |              | _        | _            |  |              |          |         |  | 76       |                 |          |          |         |   |              |              |  |        |              | 126        |          |          |          |          |          |          |          | $\Box$                  |           |
|             | 27       | 7          | Ш   |   |              | <u> </u> | _            |  |              |          |         | Ш  | 77       | Ш               |          | ᆚ        | $\perp$ |   |              |              |  |        |              | 127        |          |          |          |          |          |          |          |                         |           |
|             | 28       | 7          |   |   | <u> </u>     | ╙        | <u> </u>     | <u> </u>   | <u> </u>     | _        | ľ       |  | 78       |                 | _        | _        | _       | $\bot$  |              | _            |  | 4      |              | 128        |          |          |          |          |          | _        |          |                         |           |
|             | 29       | 1          |   |   |              | _        | ┡            | ļ  | <u> </u>     |          | 1       |  | 79       | Ш               | _        |          | _       | $\perp$   | <u> </u>     |              |  |        |              | 129        |          |          |          |          | $\perp$  | _        |          | $\perp$                 | _         |
|             | 30       |            | $\dashv$  |   | L            | <u> </u> | <u> </u>     | <b>├</b>   | ┡            | <u> </u> | 1       |  | 80       | Ш               | 4        | _        | _       | $\perp$   | ļ            |              |  |        |              | 130        | _        | _        | _        |          |          |          |          | $\dashv$                | _         |
| <u> </u>    | 31<br>32 | -          | $\dashv$  |   | $\vdash$     | ├-       | ⊢            | $\vdash$   | -            | -        | l.,.    | $\vdash \vdash \mid$                         | 81       | $\vdash \vdash$ | $\dashv$ | +        | +       | +   | +            | $\vdash$     |  | .,     |              | 131        |          | _        | _        |          | _        |          |          | $\dashv$                | $\dashv$  |
| <del></del> | 33       | _          | $\vdash$  | _ | -            | -        | ├            | ₩  | $\vdash$     | $\vdash$ | ]       | $\vdash$                                     | 82<br>83 | $\vdash \vdash$ |          | +        | +       | - -   | +            | $\vdash$     | Щ  | 1      |              | 132        | _        | $\dashv$ | _        |          | _        |          | -        | 4                       | $\dashv$  |
|             | 34       |            | $\vdash$  |   | -            | -        | <del> </del> | ┼  | ╁            | -        | 1       | $\vdash$                                     | 84       | $\vdash$        | $\dashv$ | +        | +       | -   | +-           | $\vdash$     | $\vdash\vdash$   |        |              | 133        |          | $\dashv$ | _        |          | -        | _        | $\dashv$ | +                       | $\dashv$  |
|             | 35       | _          | $\vdash$  |   | ┢            | -        | ╁            | 1  | ├            | $\vdash$ | 1       | $\vdash$                                     | 85       | $\vdash$        | $\dashv$ | +        | +       | +   | +            | $\vdash$     | $\dashv$   |        |              | 134<br>135 |          | $\dashv$ | $\dashv$ |          | -        |          | $\dashv$ | +                       | $\dashv$  |
|             | 36       | _          | $\vdash$  |   | $\vdash$     | -        | t            | $\vdash$   | <del> </del> | $\vdash$ |         | $\vdash$                                     | 86       | $\forall$       | $\dashv$ | +        | +       | +   | +            | $\vdash$     | $\dashv$   | jun g  |              | 136        | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +                       | $\dashv$  |
|             | 37       | -          |   | _ | $\vdash$     | $\vdash$ | H            | <del>                                     </del> | <del> </del> | $\vdash$ | 1 m 1 m | $\vdash \vdash \vdash$                       | 87       |                 | $\dashv$ | +        | +       | +   | +            | $\vdash$     | $\dashv$   | - 1    |              | 137        | $\dashv$ | -        | $\dashv$ | -        |          | -        | $\dashv$ | +                       | $\dashv$  |
|             | 38       |            |   |   | $\vdash$     |          | H            |  | $\vdash$     | -        | 1:      | $\vdash$                                     | 88       | $\dashv$        | -+       | +        | +       | ╁   | +            | H            | $\vdash \vdash$  |        |              | 138        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +                       | $\dashv$  |
|             | 39       | _          | $\Box$  |   |              | $\vdash$ |              | T  | Г            | _        | 1       |  | 89       | $\vdash$        | $\dashv$ | +        | +       | +   | +            | Н            | $\dashv$   |        |              | 139        | $\neg$   | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | +                       | $\dashv$  |
|             | 40       |            |   |   |              | T -      | Г            |  | Π            |          | 1       |  | 90       | $\Box$          | $\dashv$ | $\top$   | 十       | +   | 1            | П            | $\Box$   |        |              | 140        | 寸        | $\dashv$ | _        |          | $\dashv$ | $\dashv$ | 一        | +                       | $\dashv$  |
|             | 41       |            |   |   |              |          | İ            | Ι_   |              |          | 1       |  | 91       |                 | $\top$   | $\neg$   |         | $\top$  | +-           | П            | $\neg$   |        |              | 141        | _        | $\dashv$ | $\dashv$ |          |          | _        | +        | +                       | $\dashv$  |
|             | 42       |            |   |   |              |          |              |  |              |          | ]       |  | 92       |                 |          |          |         | $oldsymbol{ol}}}}}}}}}}}}}}}$ |              |              |  | - 1    |              | 142        |          | $\dashv$ | ┪        | T        |          |          | 一        | $\top$                  | $\exists$ |
|             | 43       |            | [   |   |              |          | 匚            |  |              |          |         |  | 93       |                 |          |          | Ι       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |              |              |  | 1      |              | 143        |          |          |          | 1        |          |          | 丁        | $\top$                  | $\neg$    |
|             | 44       |            | $\sqcup$  |   | $oxed{\Box}$ |          | <u> </u>     | <u> </u>   |              |          |         |  | 94       |                 | $\bot$   |          | $\perp$ | $\perp$   |              |              |  |        |              | 144        |          |          |          |          |          |          |          | I                       |           |
|             | 45       |            |   |   | L.,          | L_       | L            | L_   |              |          |         | ┕┈┤  | 95       |                 |          |          | $\perp$ | $\perp$   | $oxed{\Box}$ |              |  | [      |              | 145        |          |          |          |          |          |          |          | I                       | $\Box$    |
|             | 46       |            | $\Box$  | _ | Ш            | <u> </u> | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш            |          | Į       |  | 96       | $\Box$          |          | $\perp$  | $\perp$ | $\perp$   | 1_           | Ш            |  |        |              | 146        | _]       |          | _[       |          |          |          | $\Box$   | $oldsymbol{\mathbb{I}}$ | 긔         |
|             | 47       | _          |   | _ | oxdot        | <u> </u> | _            |  | Щ            |          | ľ       | <u>                                     </u> | 97       |                 | $\dashv$ | $\perp$  | $\perp$ | 1   |              | Ш            |  |        |              | 147        | $\Box$   | [        | $\Box$   | $\Box$   |          | $\Box$   | $\bot$   | $\perp\!\!\!\!\perp$    | _]        |
|             | 48       |            |   | _ |              | <u> </u> | $\vdash$     | <u> </u>   | <u> </u>     |          | ľ       | $\vdash \vdash$                              | 98       | $\sqcup$        | $\perp$  |          | 4       | 4   | $\bot$       | Ш            | ᆜ  | ļ      |              | 148        | ↓        | $\perp$  | _        | $\Box$   | ļ        | _        | $\perp$  | $\perp$                 | $\Box$    |
|             | 49<br>50 |            | $\dashv$  | 4 |              | <u> </u> |              | <del> </del> —                                   | $\vdash$     | L.       |         | <b></b>                                      | 99       | $\dashv$        | $\dashv$ | +        | 4       | -   | +-           |              |  |        |              | 149        |          | $\perp$  | 4        | _        | _        | _        | 4        | 4                       | 4         |
|             | 50       |            |   |   |              | Щ.       | Щ            |  |              | L        | J I     |  | 100      | Ш               |          |          |         |   | Ь.           | Ш            |  | l      |              | 150        |          |          |          |          |          |          | L        | 丄                       |           |